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January 8, 2001

**Via Facsimile and Certified Mail  
Return Receipt Requested**

Mr. Kevin Adler, Remedial Project Coordinator  
U.S. Environmental Protection Agency, Region 5  
Office of Superfund, Remedial & Enforcement Response Branch  
77 West Jackson Boulevard  
Chicago, Illinois 60604-3590

*\* Water levels available?*

*\* Missing units  
in Table 1*

**Subject: Granville Solvents Site Removal Action Quarterly Report – Fourth Quarter 2000**

Dear Mr. Adler:

On behalf of the Granville Solvents Site PRP Group, Metcalf & Eddy of Ohio, Inc. respectfully submits the Quarterly Report for the Removal Action at the Granville Solvents Site. Copies have been sent to the following individuals:

Mr. Steve Acree, U.S. EPA  
Mr. Peter Felitti, U.S. EPA  
Mr. Fred Myers, Ohio EPA  
Mr. Joe Hickman, Manager, Village of Granville

If you have questions regarding this submittal, please contact Michael Raimonde or me at (614) 890-5501.

Respectfully,

**METCALF & EDDY OF OHIO, INC.**

Gerald R. Myers  
Vice President/Project Coordinator

cc: B. Pfefferle, Chairman - GSS PRP Group  
M. Raimonde, M&E

bcc: GSS-PRP Group Technical Committee  
B. Chavez, M&E  
M. Andrew, M&E  
File #036-100178-0001-00191

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**GRANVILLE SOLVENTS SITE  
REMOVAL ACTION QUARTERLY REPORT  
FOR OCTOBER, NOVEMBER, AND DECEMBER 2000**

**JANUARY 2001**

Pursuant to the requirement set forth in the Administrative Order by Consent (AOC, September 7, 1994) between the U.S. EPA and the Granville Solvents Site (GSS) Potentially Responsible Parties (PRP) Group, in Section 2.5-Reporting, and the letter, dated November 14, 1996, from Ms. Diane Spencer (U.S. EPA), this report constitutes the quarterly written progress report concerning actions undertaken pursuant to the AOC.

**I. PROGRESS MADE DURING REPORTING PERIOD**

Source Area Groundwater Control

The groundwater pumping and treatment system operated 720 hours in October, 744 hours in November, and 744 hours in December, for a total of 2,208 (100 % of the total time available) during the fourth quarter of 2000. Since operation of the treatment system began in December 1994, the system has been operating over 98.5% of the available time.

During the fourth quarter of 2000, the treatment system processed approximately 7.59 million gallons of water in October, 6.5 million gallons of water in November and 6.4 million gallons of water in December, for a total of 20.57 million gallons of water for the fourth quarter of 2000. Since operation began in December 1994, the system has processed more than 704 million gallons of water.

During the fourth quarter of 2000, M&E collected monthly air pressure measurements in the air-stripping unit's inlet and exhaust ducts, which were used to calculate airflow values. Following acid washing in September, airflow increased from 1,903 cfm to 2,270 cfm. Measurements indicate steady decline in the fourth quarter to an airflow of 1730 measured in late December. M&E continued to perform the scheduled monthly maintenance on the treatment system. This maintenance ensures the system is performing at maximum efficiency and decreases unscheduled downtime. This maintenance included replacing the bag filters, lubricating the transfer pump and blower motors, and maintaining the flow meters and level sensors.

Water samples were collected from the system's influent and effluent sampling ports on October 25, November 16, and December 19, 2000. The analytical results are presented in Table 1.

**TABLE 1**

VOCs	Influent October	Effluent October	Influent November	Effluent November	Influent December	Effluent December
1,1,1-trichloroethane	7.3 µg/l	ND	3.8 µg/l	ND	2.3 <i>units</i>	ND
Cis-1,2-dichloroethene	2.1 µg/l	ND	2.1 µg/l	ND	1.7	ND
Tetrachloroethene	7.1 µg/l	ND	6.4 µg/l	ND	4.1	ND
Trichloroethene	7.4 µg/l	ND	4.5 µg/l	ND	3.3	ND
1,1-dichloroethylene	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	ND	ND	ND	ND	ND	ND

Extraction well GSS-EW1 was operated at an average flow rate of approximately 135 gallons per minute (gpm) during the fourth quarter of 2000. The flow rate from GSS-EW2 has declined to a measured rate of less than 20 gpm. The total pumping rate has averaged 156 gpm for the fourth quarter of 2000.

The results of the sample analyses listed in Table 1 represent typical influent and effluent concentrations at the GSS, and M&E has recorded that approximately 20.57 million gallons of water were processed for the fourth quarter of 2000. Based on these data, total VOCs of approximately 0.07 lb./day in October, 0.04 lb./day in November, and 0.03 lb./day in December were discharged to the atmosphere during this reporting period.

#### Groundwater Monitoring Plan

Groundwater level measurements were collected on October 25, November 16, and December 19, 2000, as specified in the Groundwater Monitoring Plan and they are used to develop potentiometric surface maps. *when are these maps to be submitted to EPA?*

#### Source Area Soils

The soil vapor extraction testing is complete in the sand unit. Data has been gathered which is necessary for the design of the full-scale system. Design of the Removal Action system is underway.

### Active or Completed Tasks

The following specific tasks were completed during the reporting period:

- Collected water samples on October 25, November 16, and December 19, 2000, from the treatment system influent and effluent sampling ports.
- Collected water level measurements on October 25, November 16, and December 19, 2000.
- Continued to collect airflow data on a monthly basis.
- Ongoing Design of the Soil Removal Action system

## **II. DELIVERABLES (CURRENT PERIOD AND NEXT PERIOD)**

### **CURRENT PERIOD:**

<u>Deliverable</u>	<u>Due Date</u>	<u>Delivered</u>
Quarterly Report	January 8, 2001	January 8, 2001

### **NEXT PERIOD:**

<u>Deliverable</u>	<u>Due Date</u>
Quarterly Report	April 7, 2001
Soil Removal Action Design Report	January 18, 2001

## **III. DIFFICULTIES ENCOUNTERED AND REMEDIAL ACTIONS TAKEN THIS PERIOD**

## **IV. ANTICIPATED ACTIVITIES DURING NEXT REPORTING PERIOD**

During the next reporting period, M&E will perform the following tasks:

- Collect potentiometric surface data on a monthly basis.
- Sample the treatment system influent and effluent water on a monthly basis.
- Perform scheduled maintenance of the treatment system.
- Collect quarterly samples from monitoring network.
- Pump maintenance on extraction well GSS-EW2.